

003027.00 Task 6

September 28, 2006

Mr. Bob Pace Pace In/Out P.O. Box 483 Keno, OR 97627

Dear Mr. Pace:

SUBJECT:

WORK PLAN FOR INSTALLING ADDITIONAL MONITORING WELLS, ADDENDUM NO. 1, PACE IN/OUT, DORRIS, CALIFORNIA

INTRODUCTION

This letter serves as the Work Plan for Installing Additional Monitoring Wells, Addendum No. 1, Pace In/Out, Case No. 1TSI171, 336 Main Street, Dorris, California, dated September 28, 2006. This work plan addendum amends Work Plan for Installing an Additional Monitoring Well, Pace In/Out, Case No. 1TSI171, 336 Main Street, Dorris, California, dated August 28, 2006, as requested by the California Regional Water Quality Control Board, North Coast Region (NCRWQCB), in a telecommunication with Lawrence & Associates (L&A) conducted September 25, 2006. The project site is located as shown in Figure 1.

In their telecommunication, the NCRWQCB concurred with L&A's plan to install one additional monitoring well, but requested that an additional two wells be installed, and that sampling and testing methodologies of soil collected from the well borings be specified, to be outlined in a written response to be submitted as soon as possible.

The following work plan addresses the NCRWQCB request.

DESCRIPTION OF PROPOSED WORK

The location of additional groundwater-monitoring wells is restricted because of the proximity of the Union Pacific Railroad right-of-way, as shown in **Figure 2**.

Three 2-inch diameter groundwater monitoring wells, designated as MW-8 through MW-10, will be installed in the location in **Figure 2**, and will be constructed as shown in **Figure 3**.

The monitoring wells will be drilled with a CME-55 drill rig using hollow-stem augers, and will be installed during the same mobilization as the pilot study bioventing/SVE wells and ozone-sparge points described in *Work Plan for Conducting a Pilot Study for Soil Vapor Extraction and Ozone Injection, Pace In/Out, Case No. 1TSI171, 336 Main*

Street, Dorris, California, dated February 23, 2006. The well borings will be logged using the Unified Soil Classification System, based on split-barrel samples collected at five-foot intervals and cuttings return between the intervals. The wells will be monitored on a quarterly basis along with the existing wells.

The soil samples will be collected using EPA Method 5035 and sealed in EnCoreTM discrete sampling containers. The samples will be analyzed for total petroleum hydrocarbons as gasoline (TPH-gasoline); TPH-diesel; and a full EPA Method 8260 scan, including benzene, toluene, ethylbenzene, and total xylenes (BTEX); the five oxygenates tert-butyl alcohol (TBA), methyl tert-butyl ether (MTBE), diisopropyl alcohol (DIPE), ethyl-tert-butyl ether (ETBE), and tert amylmethyl ether (TAME); and chlorinated hydrocarbons.

Please contact me at (530) 244-9703 if you have any questions about this monitoring-well work plan addendum.

Sincerely,

cc:

Bryan W. Gartner Senior Geologist

enc. Figure 1. Site-Location Map

Bym W. Bartner

Figure 2. Proposed Wells, Probes, and Points for Pilot Study

Figure 3. Typical Construction Detail For Groundwater-Monitoring Well

Mr. Cody Walker, California Regional Water Quality Control Board, North Coast Region

Mr. John Ellis, Siskiyou County Public Health Department





